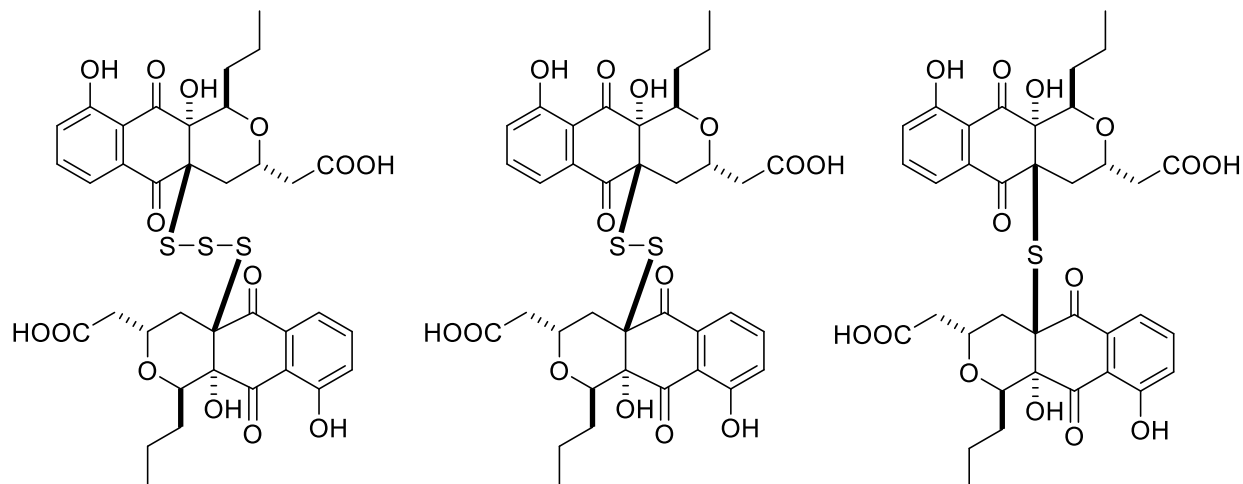


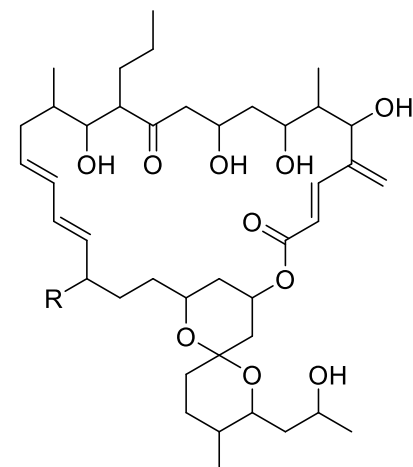
Natural Products from Institute of Microbial Chemistry (IMC)

Year	Title	Organisim	Activity
2026	Thiofrenomycins A-C	Streptomyces sp. MM863L-181F9	Antibacterial
2025	Oligomycins EX-1, EX-2	Nocardia sp. MK165-SF8	Inhibition of mitochondrial complex V
	Thiazoplanomicin	Actinoplanes sp. MM794L-181F6	Antibacterial
2024	Tripropeptin Cpip	Lysobacter sp. BMK333-48F3	Antibacterial
	Catenulopyrizomicins A-C	Catenuloplanes sp. MM782L-181F7	Anti-hepatitis B
2023	Adenopeptins B and C	Acremonium sp. ESF00140	Inhibition of mitochondrial complex V
	Cycloimidamicins A and B	Lentzea sp. MM249-143F7	Antibacterial
2022	Wychimicins A-D	Actinocrispum wychmicini MI503-AF4	Antibacterial
	Bispolides C-E	Kitasatospora sp. MG372-hF19	Cancer cell growth inhibition and antibacterial activity
2021	Aminocytostatins	Kitasatospora sp. MJ654-NF4	Protein phosphatase 2A inhibitor
	Saccharobipyrimicin	Saccharothrix sp. MM696L-181F4	Antibacterial
	Sealtomicins A-D	Nonomuraea sp. strain MM565M-173N2	Antibacterial
	Quinofuracins F-I	Staphylotrichum boninense PF1444	Inhibition of p53-dependent growth in human glioblastoma
	Micromonosporamide A	Micromonospora sp. MM609M-173N6	Glutamine-dependent antiproliferative activity
	Kumamonamide	Streptomyces werrensis MK493-CF1	Herbicide
	Chloptosins B and C	Embleya sp. MM621-AF10	Antibacterial
2020	6-deoxy- α -L-talopyranose 1-(6-chloro-1H-indole-3-carboxylate)	Kitasatospora sp. MG372-hF19	Weak growth inhibition of human lung cancer cell
2019	Leucinostatin Y	Purpureocillium lilacinum 40-H-28	Inhibition of mitochondrial ATPase
	Flupyranochromene	Penicillium sp. f28743	Influenza virus cap-dependent endonuclease inhibitor
2018	Quadoctomycin	Streptomyces sp. MM168-141F8	Antibacterial
	2-amino-4-methoxy-5-cyanopyrrolo[2,3-d]pyrimidine	Streptomyces sp. MK63-43F2	MEK inhibitor
	Valgamicins C, A, T and V	Amycolatopsis sp. ML1-hF4	Cytotoxicity against human tumor cell lines
2017	Deplelides A and B	Streptomyces MM581-NF15	Antiproliferative activities against several tumor cell lines
	Fradiamine A and B	Streptomyces fradiae MM456M-mF7	Antibacterial
	4'-Acetyl-chrysomycins A and B	Streptomyces sp. MG271-CF2	Antibacterial
	Acremopeptin	Acremonium sp. PF1450	Apoptosis inducer
	Pargamicins B-D	Amycolatopsis sp. ML1-hF4	Antibacterial
2016	Coccoquinones A and B	Staphylotrichum coccosporum PF1460	Inhibition of p53-dependent growth in human glioblastoma
2015	lentztrehaloses B and C	Lentzea sp. ML457-mF8	Autophagy inducer
	Asteltoxins C and D	Pochonia bulbillosa 8-H-28	Growth inhibition of NIAS-SL64 cells
	Quinofuracins A-E	Staphylotrichum boninense PF1444	Inhibition of p53-dependent growth in human glioblastoma
	Androprostamines A and B	Streptomyces sp. MK932-CF8	Specific inhibition of androgen-dependent growth of human prostate cancer

Structure of Natural Products Discovered at the IMC (2025-2026)



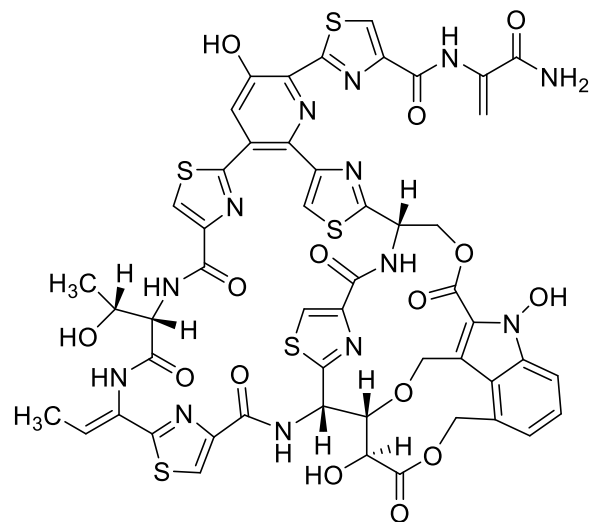
Thiofrenomycins A-C (2026)



EX-1: R=CH₃

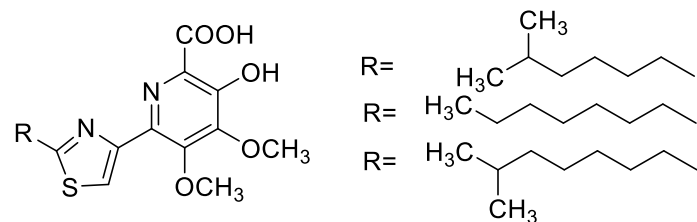
EX-2: R=CH₂CH₃

Oligomycins EX-1, EX-2 (2025)

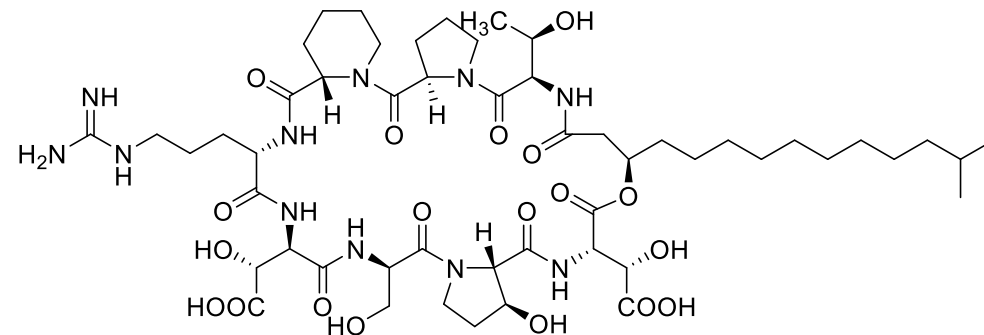


Thiazoplanomicin (2025)

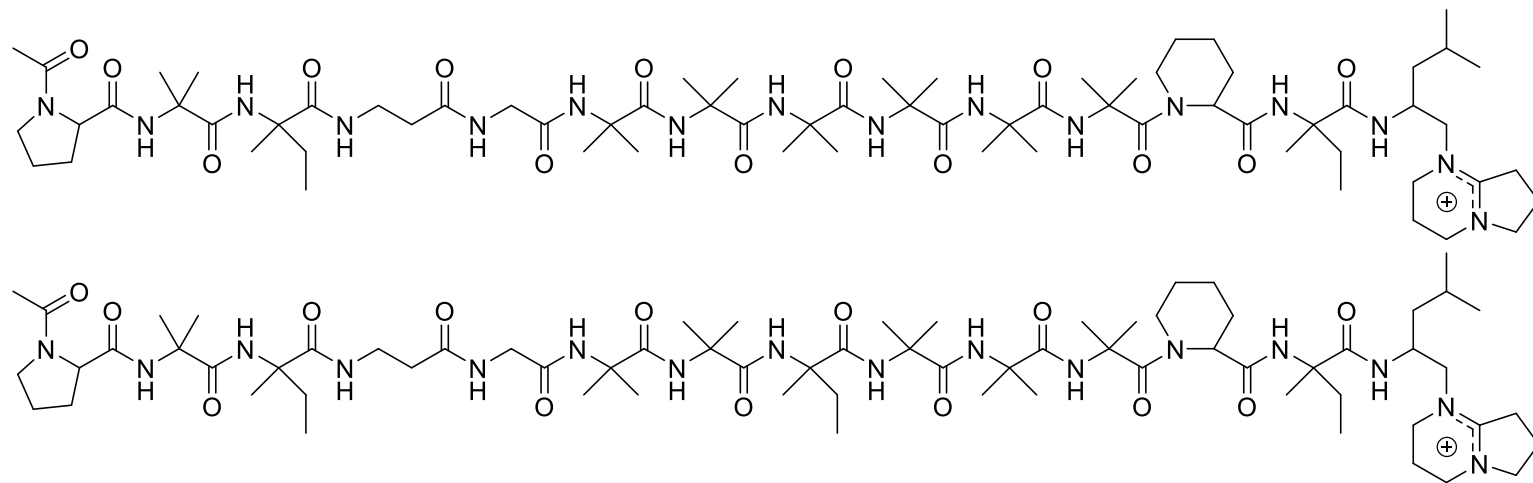
Structure of Natural Products Discovered at the IMC (2023-2024)



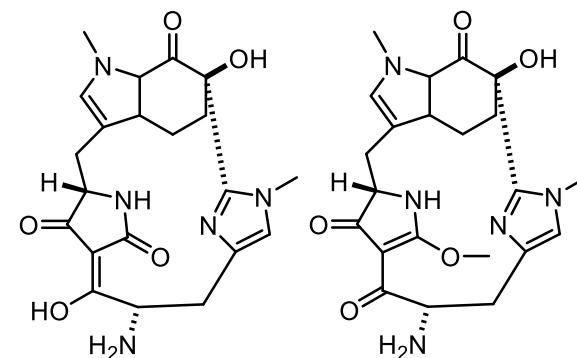
Catenulopyrizomicins A, B and C (2024)



tripropeptin Cpip (2024)

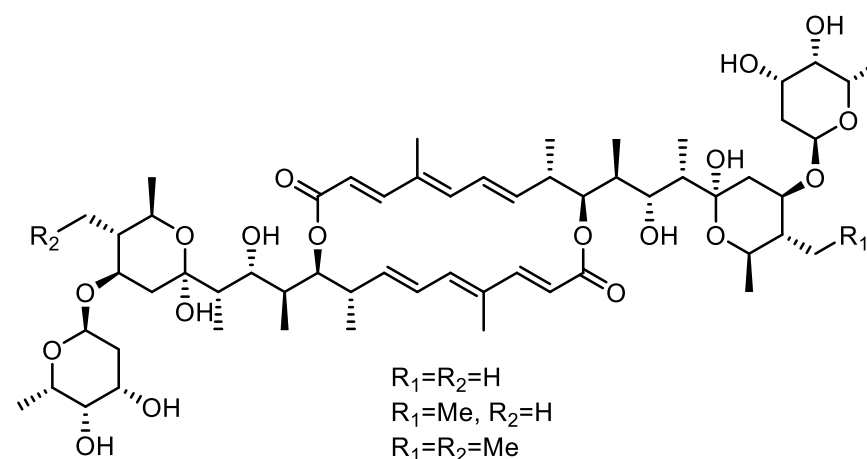
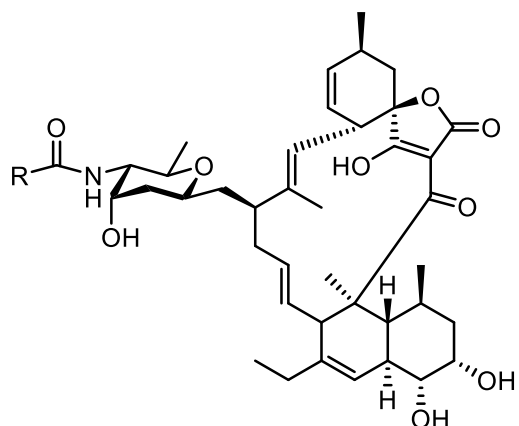


adenopeptins B and C (2023)

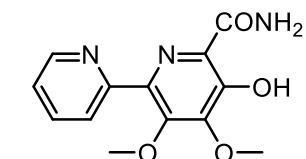


Cycloimidamicins A, B (2023)

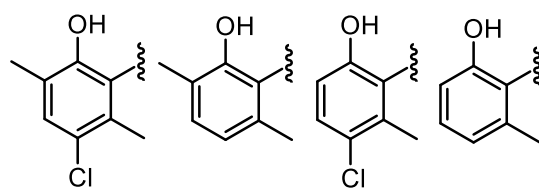
Structure of Natural Products Discovered at the IMC (2021–2022)



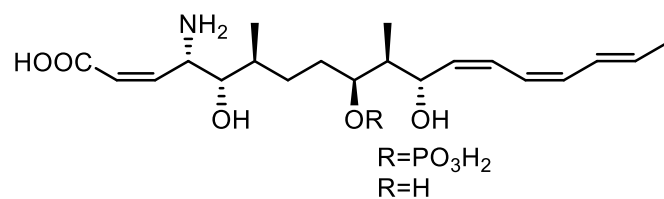
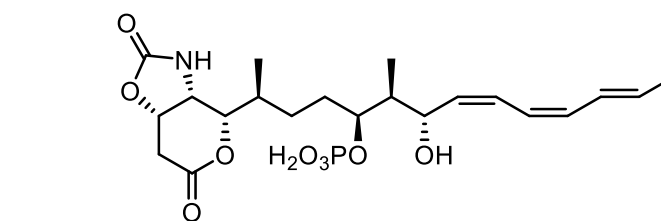
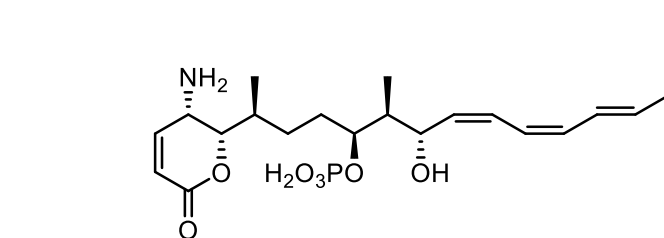
Bispolides C-E (2022)



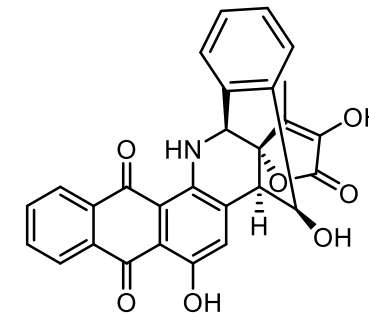
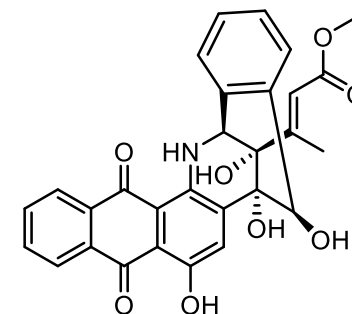
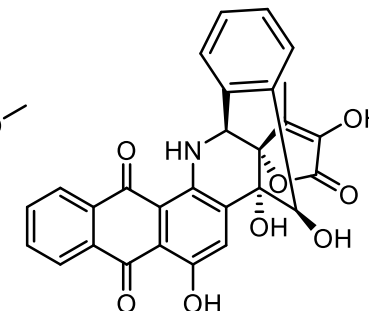
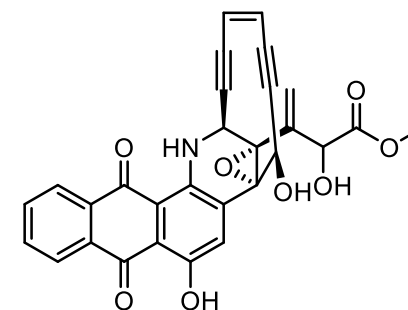
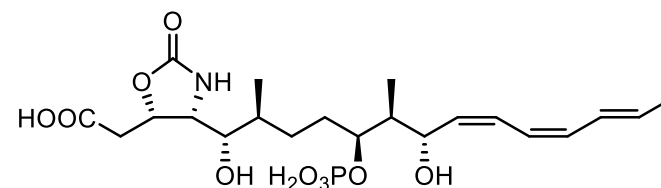
Saccharobipyrimicin (2021)



Wychimicins A-D (2022)

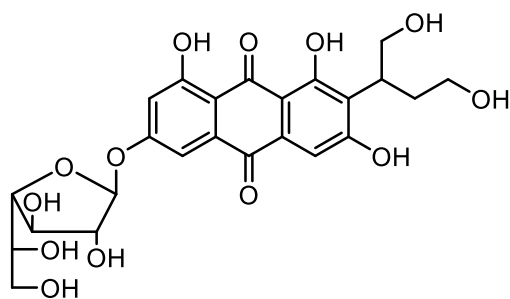
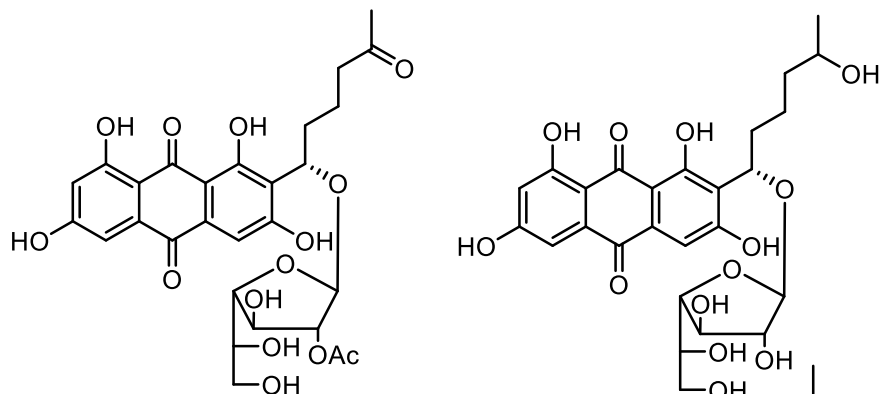


Aminocytostatins A-E (2021)

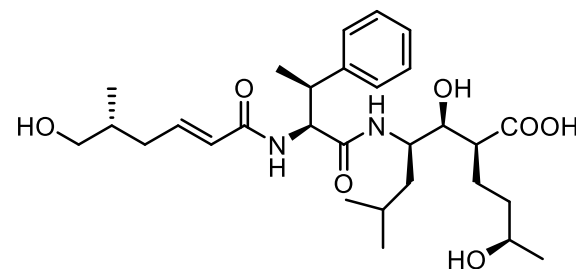
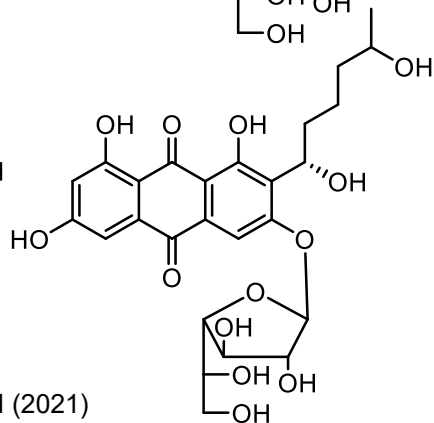


Sealtomicins A-D (2021)

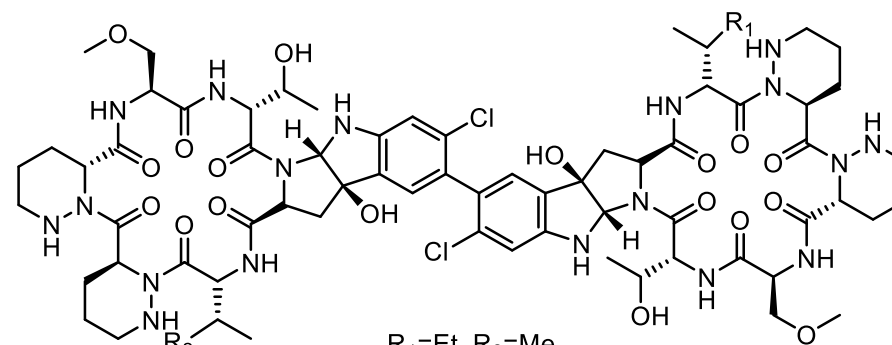
Structure of Natural Products Discovered at the IMC (2021)



Quinofuracins F-I (2021)



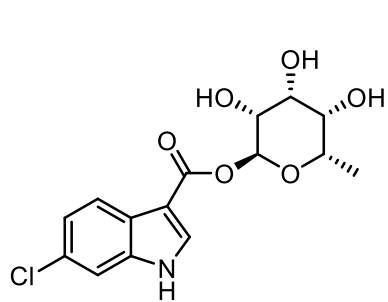
Micromonosporamide A (2021)



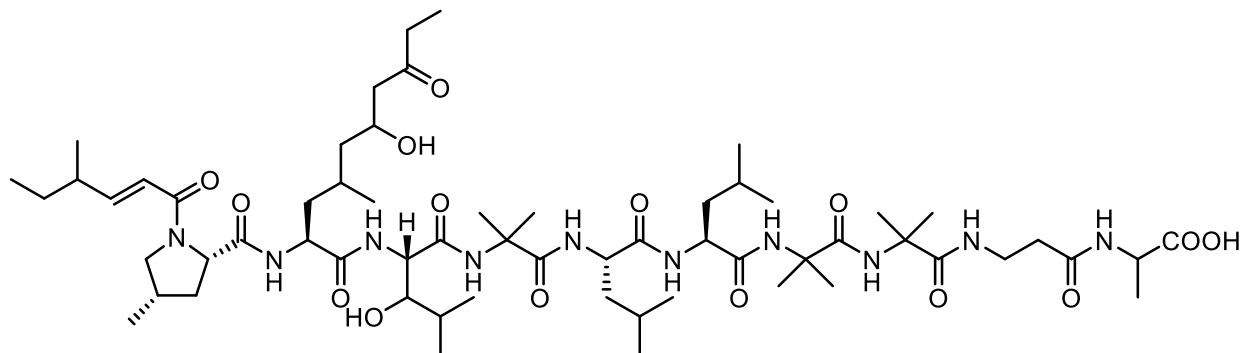
$R_1 = \text{Et}$, $R_2 = \text{Me}$
 $R_1 = R_2 = \text{Et}$

Chloptosins B, C (2021)

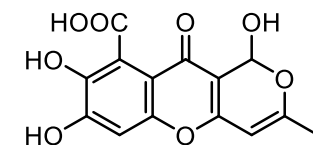
Structure of Natural Products Discovered at the IMC (2018–2020)



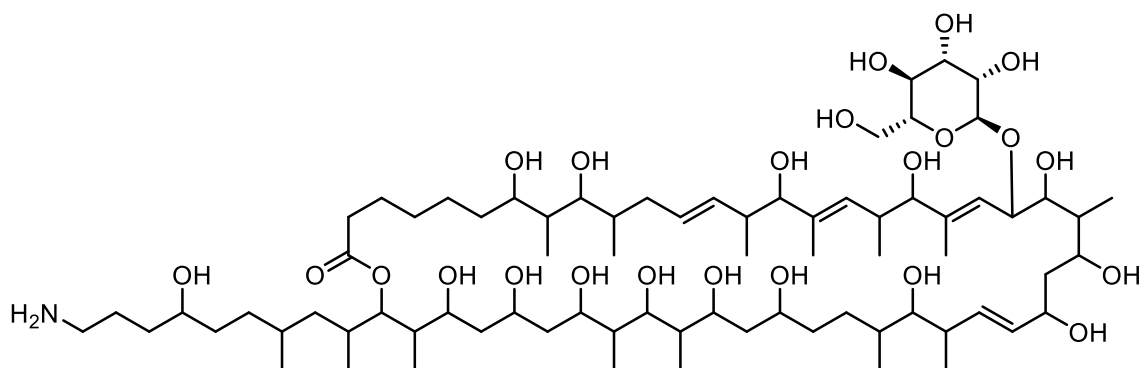
Indole glycoside (2020)



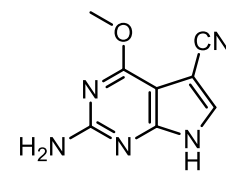
Leucinostatin Y (2019)



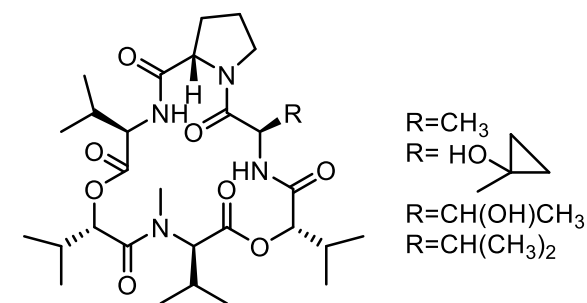
Flupyranochromene (2019)



Quadoctomycin (2018)

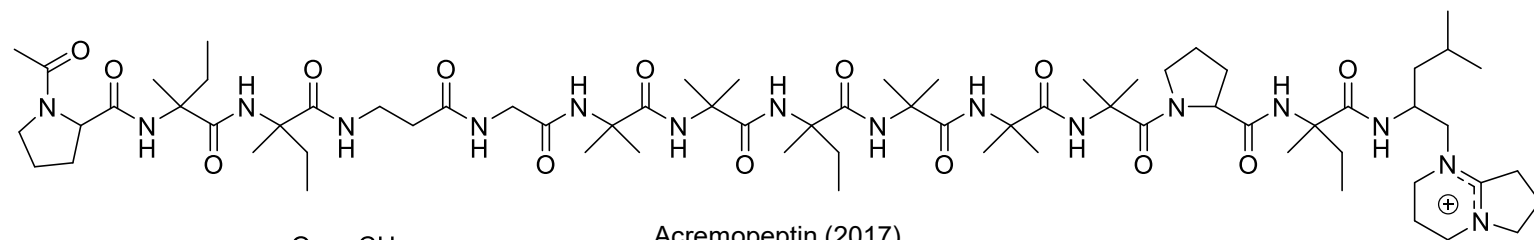


Guanine derivative (2018)

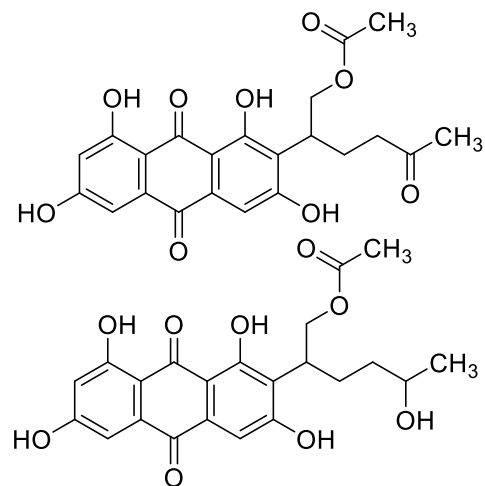


Valgamicins A, C, T, V (2018)

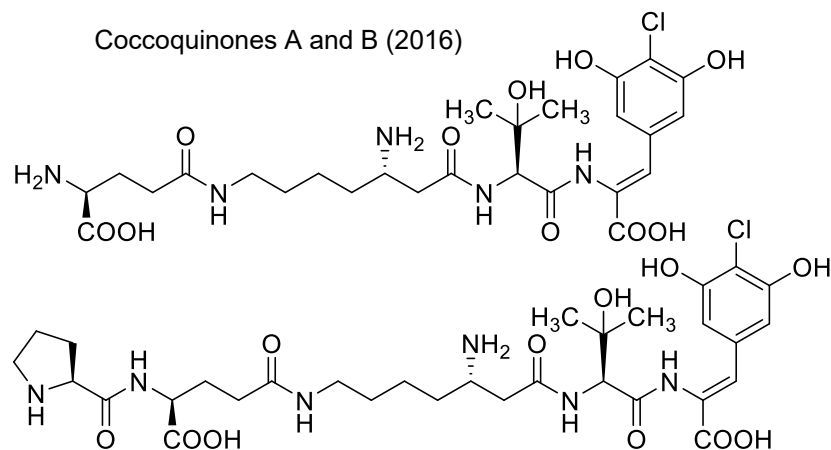
Structure of Natural Products Discovered at the IMC (2015–2017)



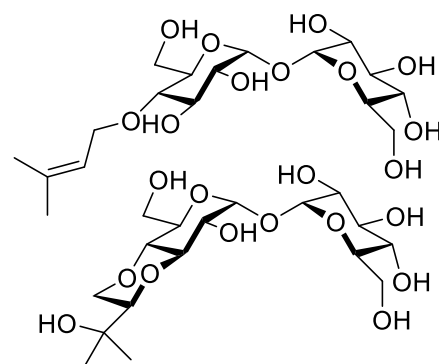
Acremopectin (2017)



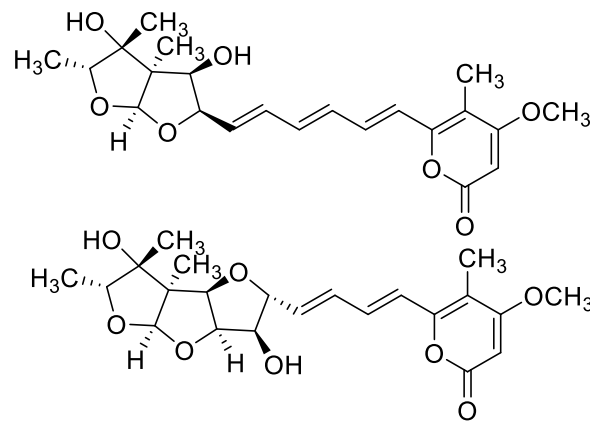
Coccoquinones A and B (2016)



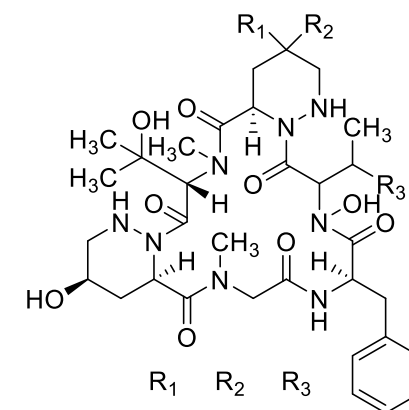
Androprostamines A and B (2015)



lentztrehaloses B and C (2015)

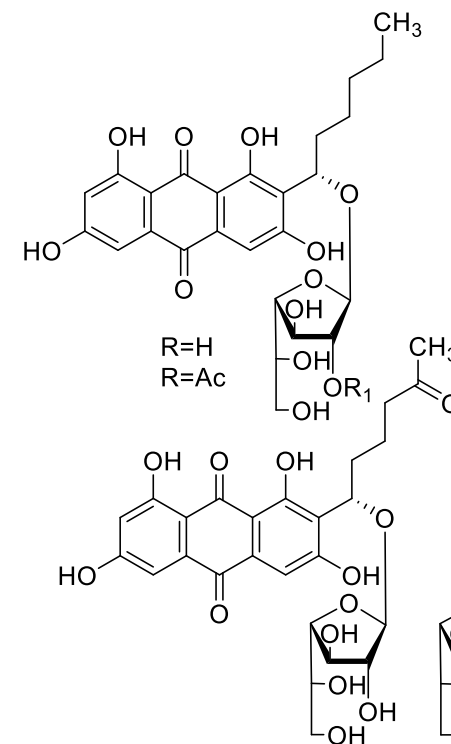


Asteltoxins C and D (2015)



	R ₁	R ₂	R ₃
A	—H	—H	—Et
B	—H	—H	—CH ₃
C	◀OH	—H	—Et
D	=O	—Et	

 pargamicins B, C and D (2017)



Quinofuracins A-E (2015)